

-14-

## CLAIMS

1. A suspension system for a vehicle,  
comprising:
- 5 an outer rotor type motor having a stator  
provided on an outer surface of a cylindrical member that  
defines space open to at least an inboard side of the  
vehicle, and a rotor rotatably supported by the  
cylindrical member, wherein the outer rotor type motor is  
10 provided within a wheel and the rotor of the outer rotor  
is connected to the wheel; and  
a suspension arm whose mounting portion is  
provided on an inner surface of the cylindrical member.
- 15 2. The suspension system as claimed in claim 1  
further comprising:  
a bearing that is arranged between the  
cylindrical member and the rotor and outboard of the rotor.
- 20 3. The suspension system as claimed in claim 2  
further comprising:  
a sealing that is arranged between the  
cylindrical member and the rotor and inboard of the rotor;  
and  
25 a second bearing that is arranged between the  
cylindrical member and the rotor and adjacent to the  
sealing.
- 30 4. The suspension system as claimed in claim 1,  
wherein connected to the rotor is a brake disk that is  
disposed such that a disk surface of the brake disk is  
located within the space defined by the cylindrical member.